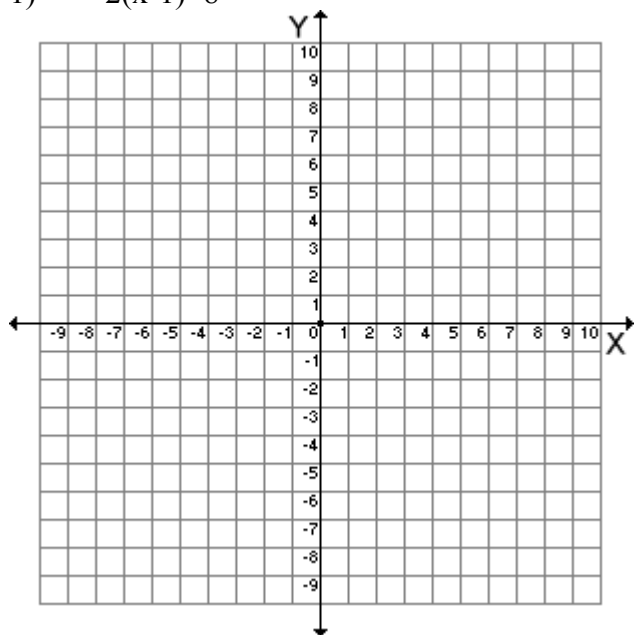


CHAPTER NINE REVIEW

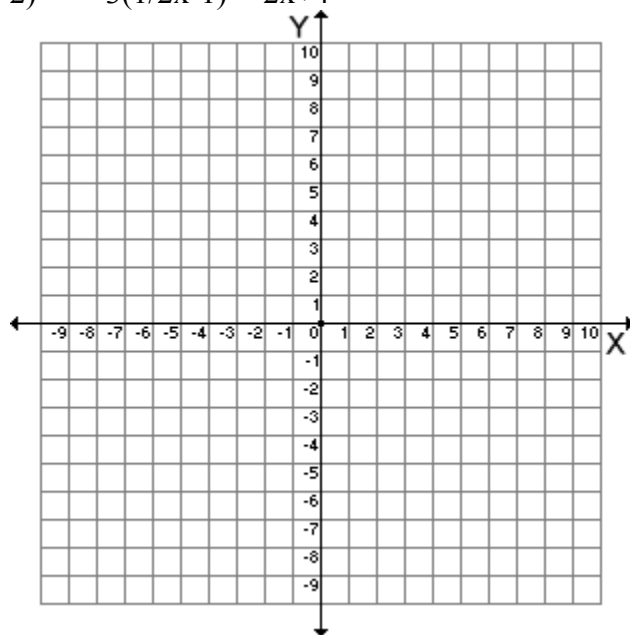
Name: _____

Solve the following equations graphically.

1) $2(x-1)=8$

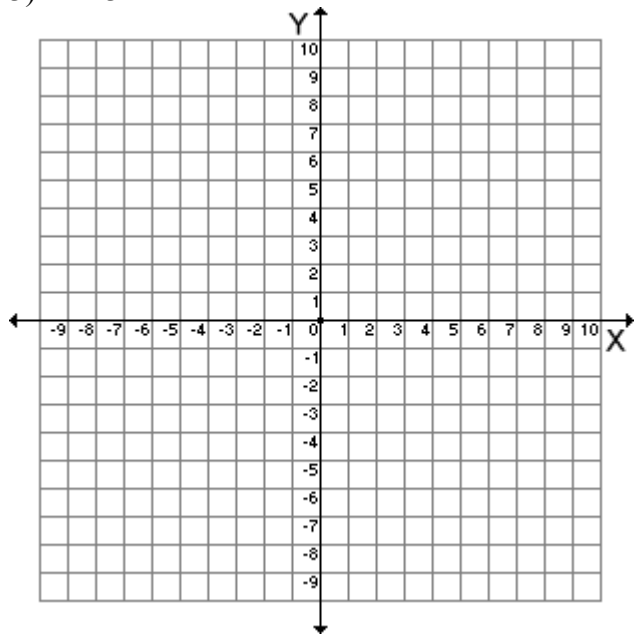


2) $3(1/2x-1)=-2x+4$

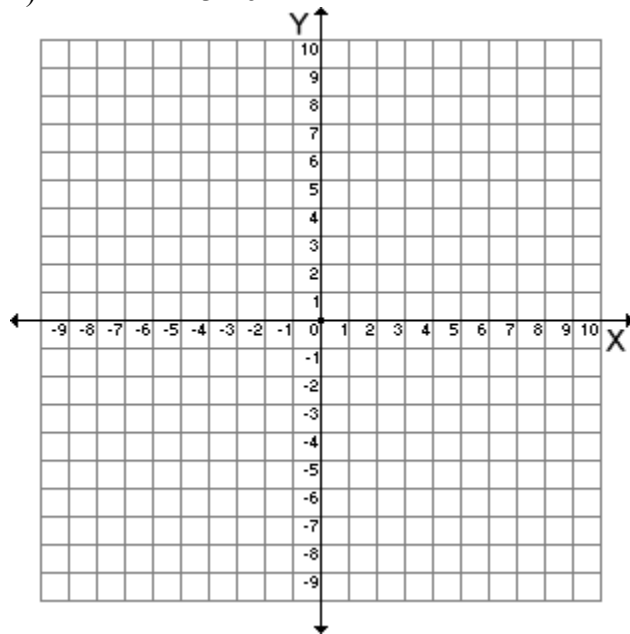


Solve the following inequalities graphically.

3) $3x>2x+4$

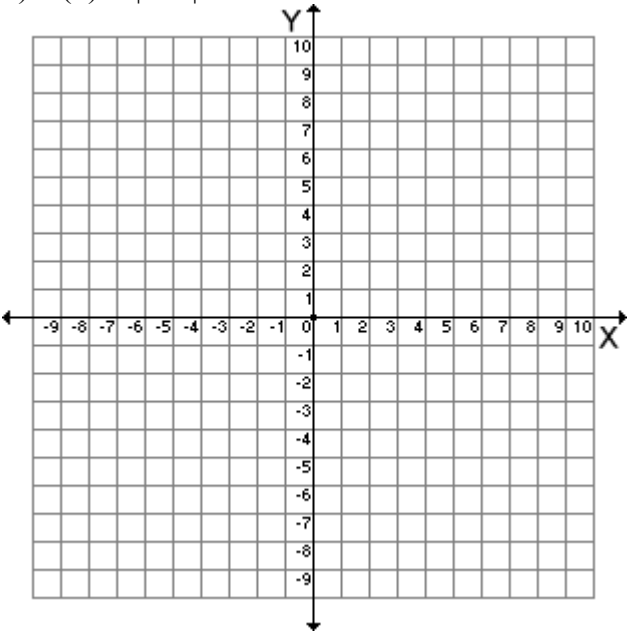


4) $-2x+4<3x-6$

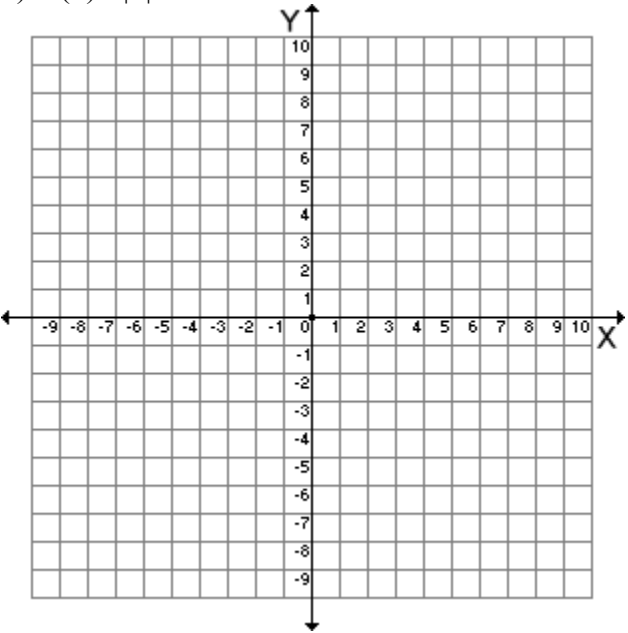


Graph each absolute value function.

5) $f(x) = -|x+2|$

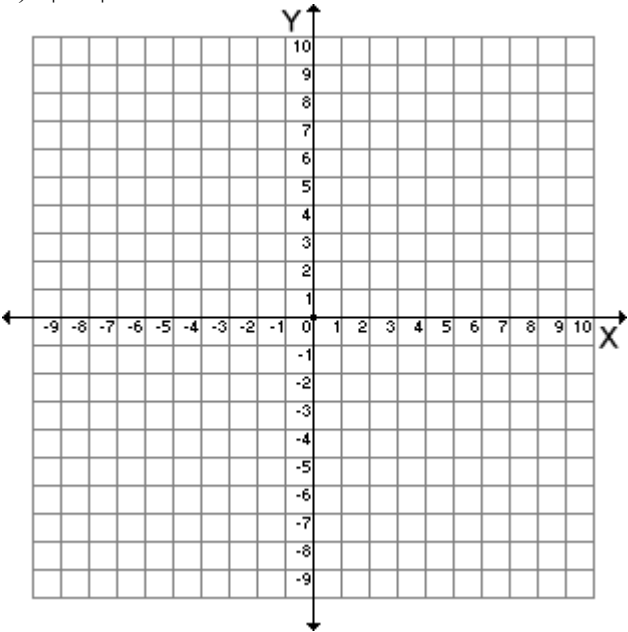


6) $f(x) = |x|-3$

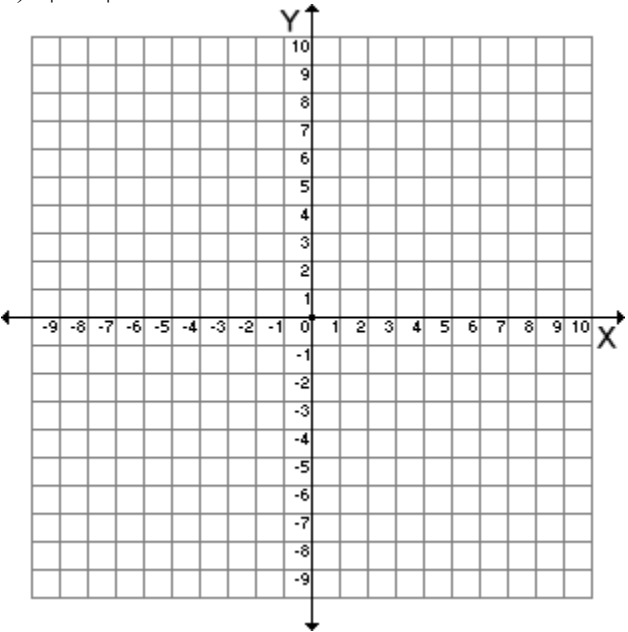


Solve each absolute value inequality

7) $|x-3| < 5$



8) $|x+2| \geq 4$



Solve each of the following algebraically. Write your answers in set builder notation, {x| }.

9) $5x-10=12$

12) $|2x+4|<12$

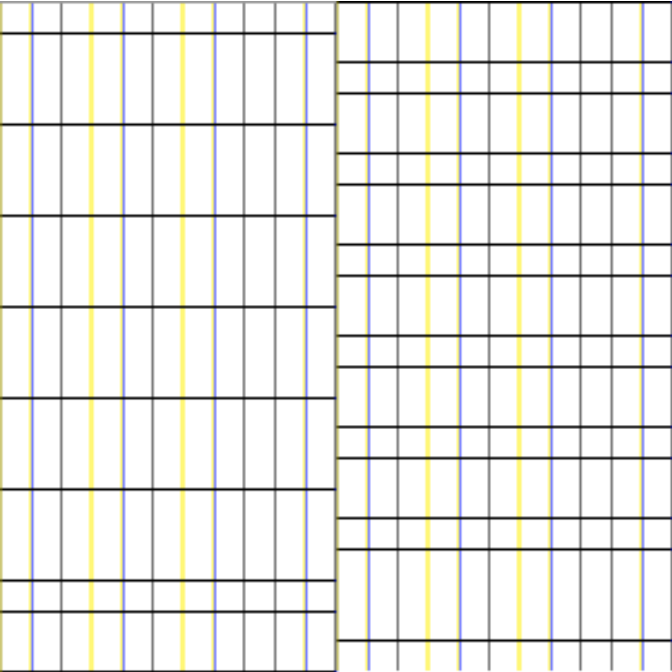
10) $2x-1<3(x-1)$

13) $|1-5x|>9$

11) $|x+3|=10$

Solve the following word problems graphically.

14) John walks five mph for one hour, but then he sprains his ankle, so he slows down to 2mph. Jane starts 45 min later than John, and walks 4 mph. When will Jane catch up with John?



15) You already have 50 points in class. Each assignment is worth 12 points. If you need to have 83 points to pass, how many assignments do you need to complete? Round up to the nearest assignment.

